

ABSTRACT OF THE DISCLOSURE

To allow bi-directional communication by using a bridge type feed and to reduce a load on equipment such as a receiver connected to a UDL network, a communication apparatus for carrying out communication on the Internet using an uni-directional communication line comprises an interface (5b) for receiving IP datagram to be transmitted to the communication line at the side for transmitting data to the communication line, and an interface (12) for realizing a virtual communication route from the receiving side to the transmitting side on the communication line, for carrying out bi-directional communication as UDLR. Moreover, the apparatus determines a destination of a packet inputted to the feed through a predetermined interface, then determines which network the packet should be transferred to in accordance with the determined destination of the packet, and then transfers the packet through a predetermined interface only when transfer is necessary.